

# KARAOKE (SIGN-ALONG MACHINE) PLAYING DEVICE AND PORTABLE TEST HEARING TERMINAL FOR KARAOKE

**Patent number:** JP10319977  
**Publication date:** 1998-12-04  
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**Classification:**  
 - **international:** G10K15/04; G09F27/00; H03G3/20  
 - **european:**  
**Application number:** JP19970125824 19970515  
**Priority number(s):**

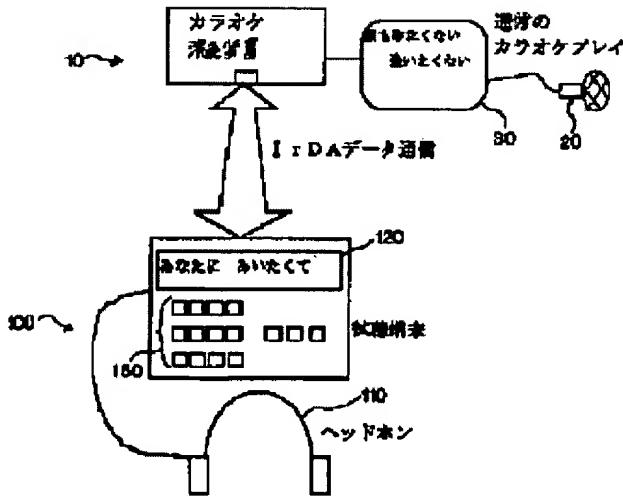
Also published as:

JP10319977 (A)

## Abstract of JP10319977

**PROBLEM TO BE SOLVED:** To listen to model singing voices using a test hearing terminal without adversely affecting an original KARAOKE playing.

**SOLUTION:** A KARAOKE playing device 10 takes out the accompaniment music data corresponding to the music number, which is requested for a test hearing, lyrics extracting data and singing voice data from a database in addition to an original KARAOKE playing and transmits these data to a test hearing terminal 100. The terminal 100 transmits the test hearing request including the music number to the KARAOKE playing device in accordance with the input, receives the accompaniment music data, the lyrics extracting data and the singing voice data from the device 10, stores the data, reads the accompaniment music data, converts the data to accompaniment music audio signals, reads the singing voice data from a storage means and reproduces singing voice audio signals. The accompaniment music audio signals and the singing voice audio signals are synthesized, amplified and outputted from a speaker. The lyrics extracting data are read, lyrics picture signals are generated and outputted to a display while synchronizing to the progress of the accompaniment music.



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DERWENT-ACC-NO: 1999-086146

DERWENT-WEEK: 199908

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TITLE: Karaoke performance apparatus with portable  
audition terminal - has interface which connects apparatus  
to portable audition terminal, such that audition  
terminal receives accompaniment music data, word depiction  
data and singing voice data

PATENT-ASSIGNEE: DAIICHI KOSHO KK[DAIIN]

PRIORITY-DATA: 1997JP-0125824 (May 15, 1997)

PATENT-FAMILY:

PUB-NO MAIN-IPC	PUB-DATE	LANGUAGE	PAGES
JP 10319977 A G10K 015/04	December 4, 1998	N/A	008

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	
APPL-DATE JP 10319977A 15, 1997	N/A	1997JP-0125824	May

INT-CL (IPC): G09F027/00, G10K015/04, H03G003/20

ABSTRACTED-PUB-NO: JP 10319977A

BASIC-ABSTRACT:

The apparatus (10) has a database in which karaoke music information e.g. accompaniment music data, words depiction data and singing voice data, are recorded. An audio processor (15) picks out the accompaniment music data from the data base, and converts the data to an accompaniment music signal output from a speaker (17).

The words depiction data and the generated words image signal synchronise the accompaniment music. A video processor superimposes a suitable background video displayed on a display (30). A portable audition terminal (100) is connected to the apparatus via an interface (14). The audition terminal receives the accompaniment music data and words depiction data corresponding to

music number of the audition demand from the apparatus.

ADVANTAGE - Transmits karaoke music information to audition terminal only while karaoke is performing. Confirms lyrics since lyrics are displayed with suitable video background. Enhances privacy while listening by using headphone. Simplifies components since remote control is omissible, and data for every music is not needed.

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS: KARAOKE PERFORMANCE APPARATUS PORTABLE TERMINAL INTERFACE CONNECT

APPARATUS PORTABLE TERMINAL TERMINAL RECEIVE ACCOMPANIED  
MUSIC DATA WORD DATA SING VOICE DATA

DERWENT-CLASS: P85 P86 U24 W04

EPI-CODES: U24-C01; U24-G01B1; W04-X03A3;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1999-062540